

a control] to an external signal processing apparatus;
and

an external signal processing apparatus connected to
said interface means having a signal processing means for
processing said image signal transferred through said interface
part and having a control part for controlling said image pickup
apparatus through said interface part,

wherein said control part controls said color space
converting part to reduce bit numbers of [for video] image signals
transferred through said interface part correspondingly with a
color space characteristic of said external processing apparatus
[selected one of said predetermined, diverse color spaces]. --.

-- 10. (Three Times Amended) An image pickup apparatus
comprising:

an image sensor for photo-electrically converting a
picked-up object image into an electrical signal;

an image [a video] signal generating part for forming
an image [a video] signal from the electrical signal;

a color space converting part having a plurality of
predetermined, diverse color spaces selectable therein for
converting a color space of the image [video] signal; and

an interface part for externally transferring the image
[video] signal to an external signal processing apparatus,

wherein said color space converting part is controlled
by an external signal processing [a control] apparatus connected
to said interface part to reduce bit numbers of [for video] image

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signals transferred through said interface part correspondingly with a color space characteristic of said external signal processing apparatus [selected one of said predetermined, diverse color spaces]. --.

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-- 20. (Three Times Amended) An image pickup unit comprising:
image pickup means for picking up an optical image to form a picked-up image signal;
interface means for performing communication with an external signal processing apparatus; and
color space compression control means having a plurality of predetermined, diverse bit reduction color space compression data for controlling and reducing bit numbers of [for] picked-up signals transferred to said external signal processing apparatus according to a control signal supplied from said external signal processing apparatus through said interface means and wherein said control signal corresponds to a color space characteristic of said external signal processing apparatus [indicative of a selected one of said plurality of predetermined diverse bit number reduction data]. --.

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-- 24. (Three Times Amended) A picked-up image signal processing apparatus [means] comprising:
interface means for performing communication with an image pickup unit including image pickup means for picking up an optical image to form a picked-up image signal and a plurality of predetermined, diverse color space conversion [bit number reduction] data therein; and

transmission control means for transmitting to said image pickup unit through said interface means a control signal for controlling and reducing bit number of each color signal picked-up image signals transferred through said interface means, said control signal corresponds to a color space characteristic of said picked-up signal processing apparatus [being indicative of a selected one of said predetermined, diverse bit number reduction data]. --.

28. (Amended) An image pickup system adapted for use with any one of plural, diverse type image display devices, comprising:
an image pickup apparatus including an image sensor for photo-electrically converting a picked-up object image into an electrical signal, an image [a video] signal generating part for forming an image [a video] signal from the electrical signal, and a color space converting part having a plurality of predetermined, diverse color spaces selectable therein for converting a color space of the image [video] signal; and
a display control part for controlling said image pickup apparatus and said display device,
wherein said control part controls said color space converting part to convert a color space of said image [video] signal by using said predetermined, diverse color spaces individually correspondingly with a color space characteristic [the type] of display device used with said image pickup system. -